Rev. 3-21-01

Effective March 1998 #3

DECLARATION AND POWER OF ATTORNEY FOR U.S. PATENT APPLICATION

() DESIGN () Original () Supplemental () Substitute (X) PCT

As a below named inventor. I hereby declare that: my residence, post office address and citizenship are as stated below next

: ANTENNA DUPLEXER			
hich is described and claimed i	n:		
e attached specification, or		g	*.1
	erial No.	_, filed, and w	ith amendments
igh, or	l Application No. <u>PCT/JP00/09075</u>	filed December 21 2000 and	oc amended on
ne specification in international pplicable).	Application No. <u>PC1/JP00/09073</u>	med <u>December 21, 2000</u> , and	as amended on _
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shy state that I have reviewed	and understand the content of the abov	e-identified specification, including	the claims, as ar
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•	oove.		
ny amendment(s) referred to al nowledge my duty to disclose	to the Patent and Trademark Office all	information known to me to be ma	nterial to patentab
ny amendment(s) referred to al knowledge my duty to disclose ned in Title 37, Code of Federa reby claim priority benefits un	to the Patent and Trademark Office all I Regulations, §1.56. Inder Title 35, United States Code, §	119 (and §172 if this application	is for a Design)
ny amendment(s) referred to all cnowledge my duty to disclose ned in Title 37, Code of Federa reby claim priority benefits unication(s) for patent or invento	to the Patent and Trademark Office all I Regulations, §1.56.	119 (and §172 if this application is identified below any application	is for a Design)
ny amendment(s) referred to all cnowledge my duty to disclose ned in Title 37, Code of Federa reby claim priority benefits unication(s) for patent or invento	to the Patent and Trademark Office all I Regulations, §1.56. Inder Title 35, United States Code, § 's certificate listed below and have als	119 (and §172 if this application is identified below any application	is for a Design)
ny amendment(s) referred to all knowledge my duty to disclose ned in Title 37, Code of Federa reby claim priority benefits un ication(s) for patent or invento ficate having a filing date before	to the Patent and Trademark Office all I Regulations, §1.56. Inder Title 35, United States Code, § c's certificate listed below and have also that of the application on which prior	119 (and §172 if this application to identified below any application rity is claimed:	is for a Design) for patent or inv
iny amendment(s) referred to all anowledge my duty to disclose need in Title 37, Code of Federa reby claim priority benefits uncation(s) for patent or invento ficate having a filing date before COUNTRY	to the Patent and Trademark Office all I Regulations, §1.56. Inder Title 35, United States Code, § r's certificate listed below and have also re that of the application on which prio	119 (and §172 if this application to identified below any application rity is claimed: DATE OF FILING	priority

e y al or PCT international filing date of this application:

APPLICATION SERIAL NO.	U.S. FILING DATE	STATUS: PATENTED, PENDING, ABANDONED

And I hereby appoint Michael R. Davis, Reg. No. 25,134; Matthew M. Jacob, Reg. No. 25,154; Warren M. Cheek, Jr., Reg. No. 33,367; Nils Pedersen, Reg. No. 33,145; Charles R. Watts, Reg. No. 33,142; and Michael S. Huppert, Reg. No. 40,268, who together constitute the firm of WENDEROTH, LIND & PONACK, L.L.P., as well as any other attorneys and agents associated with Customer No. 000513, to prosecute this application and to transact all business in the U.S. Patent and Trademark Office connected therewith.

I hereby authorize the U.S. attorneys and agents named herein to accept and follow instructions from Matsushita Electric Industrial Co., Ltd. as to any action to be taken in the U.S. Patent and Trademark Office regarding this application without direct communication between the U.S. attorneys and myself. In the event of a change in the persons from whom instructions may be taken, the U.S. attorneys named herein will be so notified by me.



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Residence & Citizenship	СІТУ	STATE OR COUNTRY '	COUNTRY OF CITIZENSHIP
Post Office Address	ADDRESS	СІТУ	STATE OR COUNTRY ZIP CODE

I further declare that all statements made herein of my own knowledge are true, and that all statements on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

1st Inventor <u>KNYWHU NWWWW</u>	Date October 11, 2001
Kazushi NISHIDA 2nd Inventor Kalausa Frusu	Date October 11, 2001
Katsuya FUJII 3rd Inventor Johns Kameyama	Date October 11, 2001
Ichiro KAMEŸAMA 4th Inventor Labura gawa	Date October 11, 2001
Toru SAKURAGAWA 5th Inventor <u>Niverki Pujinaka</u>	Date October 11, 2001
Hiroshi FUJINAKA 6th Inventor	Date

The above application may be more particularly identified as follows:

U.S. Application Serial No. 09/914, 263 Filing Date August 24, 2001

Applicant Reference Number P24368-01(I.S.Teraoka) Atty Docket No. 2001 1123A

Title of Invention ANTENNA DUPLEXER

ABANDONED

Rev. 3-21-01

DECLARATION AND POWER OF ATTORNEY FOR U.S. PATENT APPLICATION

() Original () Supplemental () Substitute (X) PCT () DESIGN

As a below named inventor, I hereby declare that: my residence, post office address and citizenship are as stated below next to my name; that I verily believe that I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural inventors are named below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

oint inventor (if plural inventors and invention entitled:	e named	below) of the subject matter v	vnich is claii	med and for which a j	patent is sought on the
title: ANTENNA DUPLEXER					
f which is described and claimed i					
) the attached specification, or) the specification in application Se	adal Na		filed	, and wi	th amendments
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hrough, or, or X) the specification in International	l Applica	tion No. PCT/JP00/09075,	filed Decen	nber 21, 2000_, and a	s amended on
if applicable).		-			
					u u u u u u u u u u u u u u u u u u u
hereby state that I have reviewed	and unde	erstand the content of the above	-identified sp	ecification, including	the claims, as amended
y any amendment(s) referred to al	oove.				
hereby claim priority benefits upplication(s) for patent or inventorertificate having a filing date before COUNTRY	nder Titl r's certif	le 35, United States Code, §1 icate listed below and have also	rity is claimed	elow any application	s for a Design) of any for patent or inventor's PRIORITY CLAIMED
Japan	<u> </u>	11-367178	Dec	ember 24, 1999	YES
Japan	+				
					
1					
I hereby claim the benefit under T subject matter of each of the claim the first paragraph of Title 35, Undefined in Title 37, Code of Feder or PCT international filing date of	s of this a nited Stat al Regula	application is not disclosed in the es Code §112, I acknowledge tions, §1.56 which occurred be	e prior Unite the duty to d	isclose information m	aterial to patentability
APPLICATION SERIAL	NO.	U.S. FILING DAT	E	STATUS: PATEN	TED, PENDING,

And I hereby appoint Michael R. Davis, Reg. No. 25,134; Matthew M. Jacob, Reg. No. 25,154; Warren M. Cheek, Jr., Reg. No. 33,367; Nils Pedersen, Reg. No. 33,145; Charles R. Watts, Reg. No. 33,142; and Michael S. Huppert, Reg. No. 40,268, who together constitute the firm of WENDEROTH, LIND & PONACK, L.L.P., as well as any other attorneys and agents associated with Customer No. 000513, to prosecute this application and to transact all business in the U.S. Patent and Trademark Office connected therewith.

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Residence & Citizenship	СІТУ	STATE OR COUNTRY	COUNTRY OF CITIZENSHIP	
Post Office Address	ADDRESS	сіту	STATE OR COUNTRY ZIP CODE	

I further declare that all statements made herein of my own knowledge are true, and that all statements on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

1st Inventor		Date	
	Kazushi NISHIDA		
2nd Inventor		Date	
	Katsuya FUJII		
3rd Inventor		Date	
	Ichiro KAMEYAMA	D.v.	
		Date	
	Toru SAKURAGAWA	_	
		Date	
	Hiroshi FUJINAKA	_	
6th Inventor		Date	
The above a	pplication may be more particularly identified as fol	lows:	
•	••		
U.S. Applica	ation Serial No.	Filing Date August 24, 2001	
Applicant Re	eference Number <u>P24368-01(I.S.Teraoka)</u> Atty Do	cket No. 2001 1123A	

Title of Invention ANTENNA DUPLEXER